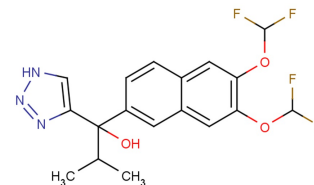


## Seviteronel racemate

## Chemical Properties

CAS No.:	1375603-36-3
Formula:	C <sub>18</sub> H <sub>17</sub> F <sub>4</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	399.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Seviteronel racemate is the racemate form of Seviteronel and is a potent inhibitor of CYP17 lyase.
Targets(IC <sub>50</sub> )	VT-464, h-CYP17 Lyase: 69 nM
In vivo	The MDA-PCa-133 xenograft is derived from a clinical CRPC bone metastasis. Subcutaneous MDA-PCa-133 tumor expresses PSA, full-length androgen receptor (AR), and AR-V7 isoform. The effect of Seviteronel (VT-464) and AA on MDA-PCa-133 growing in tumor-bearing castrated male mice: randomization into three groups; oral treatment with vehicle only, Seviteronel (100 mg/kg bid), or AA (100 mg/kg bid) for 25 days. Both Seviteronel and AA reduced tumor volume (>two fold compared to vehicle; p<0.05). Selective Seviteronel CYP17 lyase inhibition is as effective as AA CYP17 inhibition in this model [2].

## Solubility Information

Solubility	DMSO: 50 mg/mL (125.21 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.504 mL	12.521 mL	25.041 mL
5 mM	0.501 mL	2.504 mL	5.008 mL
10 mM	0.25 mL	1.252 mL	2.504 mL
50 mM	0.05 mL	0.25 mL	0.501 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Rafferty SW, et al. Highly-selective 4-(1,2,3-triazole)-based P450c17a 17,20-lyase inhibitors. Bioorg Med Chem Lett. 2014 Jun 1;24(11):2444-7.
2. Sankar N. Maity, et al. Abstract 4772: Efficacy of VT-464, a novel selective inhibitor of cytochrome P450 17,20-lyase, in castrate-resistant prostate cancer models. Cancer Research: April 15, 2013; Volume 73, Issue 8, Supplement 1

Inhibitors · Natural Compounds · Compound Libraries

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